

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------|------------------|---------|------------------|
| S1 | 1 | "20050052106" | US-PGPUB; USPAT | OR | ON | 2007/07/06 13:58 |
| S2 | 1580 | 313/141,144.ccls. | US-PGPUB; USPAT | OR | ON | 2007/03/08 19:55 |
| S3 | 529 | 313/141,144.ccls. and tip | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/08 19:58 |
| S4 | 447 | ((ignit\$3 spark\$3) near3 (element member plug)) and (tip with (groove opening hole indentation aperture slit notch)) | EPO; JPO; DERWENT | OR | ON | 2007/03/08 20:03 |
| S5 | 142 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (groove opening hole indentation aperture slit notch)) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 18:50 |
| S6 | 1 | 1990-111570.NRAN. | DERWENT | OR | ON | 2007/03/08 20:14 |
| S7 | 1 | 1990-111570.NRAN. | DERWENT | OR | ON | 2007/03/08 20:24 |
| S8 | 9 | "1286442" "9411934" | EPO; JPO; DERWENT | OR | ON | 2007/03/08 20:27 |
| S9 | 1 | 1994-177129.NRAN. | DERWENT | OR | ON | 2007/03/08 20:26 |
| S10 | 27 | "2459563" "833306" "1552274" "4763455" "819156" "2236294" | EPO; JPO; DERWENT | OR | ON | 2007/03/08 20:32 |
| S11 | 1 | 1981-A1482D.NRAN. | DERWENT | OR | ON | 2007/03/08 20:31 |
| S12 | 5 | "0833306" | EPO; JPO; DERWENT | OR | ON | 2007/03/08 20:32 |
| S13 | 4 | "2459563" | EPO; JPO; DERWENT | OR | ON | 2007/03/08 20:32 |
| S14 | 6 | "833306" | EPO; JPO; DERWENT | OR | ON | 2007/03/08 20:45 |
| S15 | 1 | "1552274".pn. | US-PGPUB; USPAT | OR | ON | 2007/03/08 20:45 |
| S16 | 574 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach)) | EPO; JPO; DERWENT | OR | ON | 2007/07/03 16:12 |
| S17 | 211 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach)) | EPO; JPO; DERWENT | OR | ON | 2007/03/08 21:13 |

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| S18 | 391 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (electrode) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach)) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 18:34 |
| S19 | 215 | S18 not S17 | EPO; JPO; DERWENT | OR | ON | 2007/03/08 21:13 |
| S20 | 1 | "5982080".pn. | US-PGPUB; USPAT | OR | ON | 2007/03/09 18:20 |
| S21 | 1 | 1994-177129.NRAN. | DERWENT | OR | ON | 2007/03/09 18:34 |
| S22 | 5 | "2421585" | EPO; JPO; DERWENT | OR | ON | 2007/03/09 18:35 |
| S23 | 2 | "3605300" | EPO; JPO; DERWENT | OR | ON | 2007/03/09 18:35 |
| S24 | 1 | "5982080".pn. | US-PGPUB; USPAT | OR | ON | 2007/03/09 18:42 |
| S25 | 211 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach)) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 19:24 |
| S26 | 142 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (metal\$4 noble) with (groove opening hole indentation aperture slit notch)) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 19:03 |
| S27 | 171 | S25 not S26 | EPO; JPO; DERWENT | OR | ON | 2007/03/09 18:50 |
| S28 | 6 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with pre\$form\$3) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 19:00 |
| S29 | 8 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with pre\$form\$3) and 313/118-143.ccls. | US-PGPUB; USPAT | OR | ON | 2007/03/09 19:00 |
| S30 | 10 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (firing fired) with (groove opening hole indentation aperture slit notch)) | EPO; JPO; DERWENT | OR | ON | 2007/07/03 20:42 |
| S31 | 7 | "1139530" | EPO; JPO; DERWENT | OR | ON | 2007/03/09 19:18 |
| S32 | 5 | "2224270" | EPO; JPO; DERWENT | OR | ON | 2007/03/09 19:18 |
| S33 | 34 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (firing fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach)) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 20:12 |

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| S34 | 6 | "1286442" | EPO; JPO; DERWENT | OR | ON | 2007/03/09 20:13 |
| S35 | 0 | "006008659" | EPO; JPO; DERWENT | OR | ON | 2007/03/09 20:13 |
| S36 | 5 | "2006008659" | EPO; JPO; DERWENT | OR | ON | 2007/03/09 20:13 |
| S37 | 1 | 2006-136360.NRAN. | DERWENT | OR | ON | 2007/03/09 20:13 |
| S38 | 731 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breachgroove opening hole indentation aperture slit notch)) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 20:27 |
| S39 | 767 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach groove opening hole indentation aperture slit notch)) | EPO; JPO; DERWENT | OR | ON | 2007/03/09 20:28 |
| S40 | 508 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach groove opening hole indentation aperture slit notch)) and (313/118-143.ccls.) | US-PGPUB; USPAT | OR | ON | 2007/03/09 20:28 |
| S41 | 486 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip cap end crown apex top) with (firing metal\$4 noble fired) with (cavity cleft crevice fissure orifice crack slot space tear recesss perforation gap breach groove opening hole indentation aperture slit notch)) and electrode | EPO; JPO; DERWENT | OR | ON | 2007/03/09 20:29 |
| S42 | 1 | "20050052106" | US-PGPUB; USPAT | OR | ON | 2007/05/08 13:41 |
| S43 | 334 | ((ignit\$3 spark\$3) near3 (element member plug)) and ((chip tip) with (latch lip retent\$3 exten\$4 protrusion)) | EPO; JPO; DERWENT | OR | ON | 2007/07/03 16:14 |
| S44 | 519 | 313/141,144,143.ccls. 123/169EL.ccls. | EPO; JPO; DERWENT | OR | ON | 2007/07/03 20:42 |
| S45 | 541 | 313/141-144.ccls. 123/169EL.ccls. | EPO; JPO; DERWENT | OR | ON | 2007/07/03 20:43 |

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| S46 | 2499 | 313/141-144.ccls. 123/169EL.ccls. | US-PGPUB; USPAT | OR | ON | 2007/07/03 20:43 |
| S47 | 577 | (313/141-144.ccls. 123/169EL.ccls.) and (tip chip) | US-PGPUB; USPAT | OR | ON | 2007/07/03 23:11 |
| S48 | 16 | ("2143853" "3691419" "3842819" "3892991" "3967149" "4039787" "4110667" "4135066" "4217470" "4261085" "4327702" "4337408").PN. OR ("4396855").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/03 21:33 |
| S49 | 14 | ("3868530" "4393324" "4488081" "4684352").PN. OR ("4840594").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/03 21:48 |
| S50 | 31 | ("0195358" "1190130" "1353785" "1359996" "1486710" "1508460" "1512319" "1522227" "1872302" "1900577" "2120492" "2944178" "4015160" "4023058" "4370175" "4428193" "4498183").PN. OR ("5510668").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/07/03 23:02 |
| S51 | 262 | (313/141-144.ccls. 123/169EL.ccls.) and (laser) | US-PGPUB; USPAT | OR | ON | 2007/07/03 23:11 |
| S52 | 93 | (445/7.ccls.) and (laser) | US-PGPUB; USPAT | OR | ON | 2007/07/03 23:24 |
| S53 | 25 | (29/33N.ccls. 219/121.6-121.66.ccls.) and ((ignit\$3 spark\$3) near3 (element member plug)) | US-PGPUB; USPAT | OR | ON | 2007/07/03 23:26 |
| S54 | 5 | (29/33N.ccls. 219/121.6-121.66.ccls.) and ((ignit\$3 spark\$3) near3 (element member plug)) | USOCR | OR | ON | 2007/07/03 23:26 |